

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001566

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 A23F 5/36**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A23F, A47J 31/00, A47J 42/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Korean Patents and applications for inventions since 1975, Korean Utility models and applications for utility models since 1975,  
 Japanese Utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 eKIPASS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP58-187137 A (RICHIYAADO JIEI DESANTO), 1 November 1983 claim 1	1-7
Y	JP62-224239 A (MORISHIMA TAKESHI), 2 October 1987 claim 1, fig. 1	1-7
Y	KR20-0239589 Y1 (Joo, Jin), 12 October 2001 claim 1-7, fig.1-3	1-7
A	JP55-121686 U (KUWANO YUKINORI), 29 August 1980 whole documents	1-7
A	KR1993-0003815 B1 (DONGSUH FOOD CO.), 13 May 1993 whole documents	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 OCTOBER 2004 (27.10.2004)

Date of mailing of the international search report

**28 OCTOBER 2004 (28.10.2004)**

Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/001566

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP58-187137A	01.11.1983	JP04012097B4 EP0090562B1 DE3366522C0 CA1204326A1	03.03.1992 01.10.1986 18.03.1983 15.03.1983
JP62-224239A	02.10.1987	None	
KR20-0239589Y1	12.10.2001	None	
JP55-121686U	29.08.1980	US4281208 JP63026555B4 JP59010593B4 JP55107276A2	28.07.1981 30.05.1988 12.03.1979 16.08.1979
KR1993-0003815B1	13.05.1993	None	